

PATENT ABSTRACT OF JAPAN

(11)Publ cat on number : 2003-250286

(43)Date of publ cat on of appl cat on : 05.09.2003

(51)Int.Cl.

H02P 3/06

(21)Appl cat on number : 2002-047343 (71)Appl cant : TO HIBA MACH CO LTD

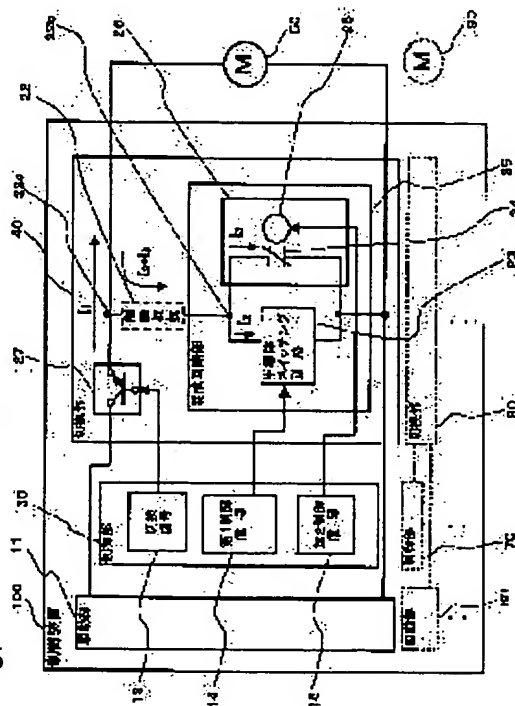
(22)Date of filing : 25.02.2002 (72)Inventor : ONO HINJIRO

(54) CONTROLLER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a controller comprising a hybrid circuit which is smaller and operates surely.

SOLUTION: A controller 100 comprises a brake resistor 22, a semiconductor switching circuit 23, an electromagnet switching circuit 26 provided with a normally-closed contact 24 and an excitation coil 25, a hybrid circuit 35 where the semiconductor switching circuit 23 is connected parallel to the normally-closed contact 24, a switching part 40 where the hybrid circuit 35 is connected to both ends of the power line of a motor 50, and a control unit 30 which outputs a second control signal 15 for controlling excitation of the excitation coil 25 which actuates the normally-closed contact 24 and a first control signal 14 that switching-controls the current flowing the semiconductor switching circuit 23.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or]

application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office